



COMPUTER NETWORKS (BCSC 0008)

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Lecture 21

Text and Reference Books

Text Books:

1. Fourouzan B. A. (2004), "Data Communication and Networking", 4th Edition, McGraw-Hill.

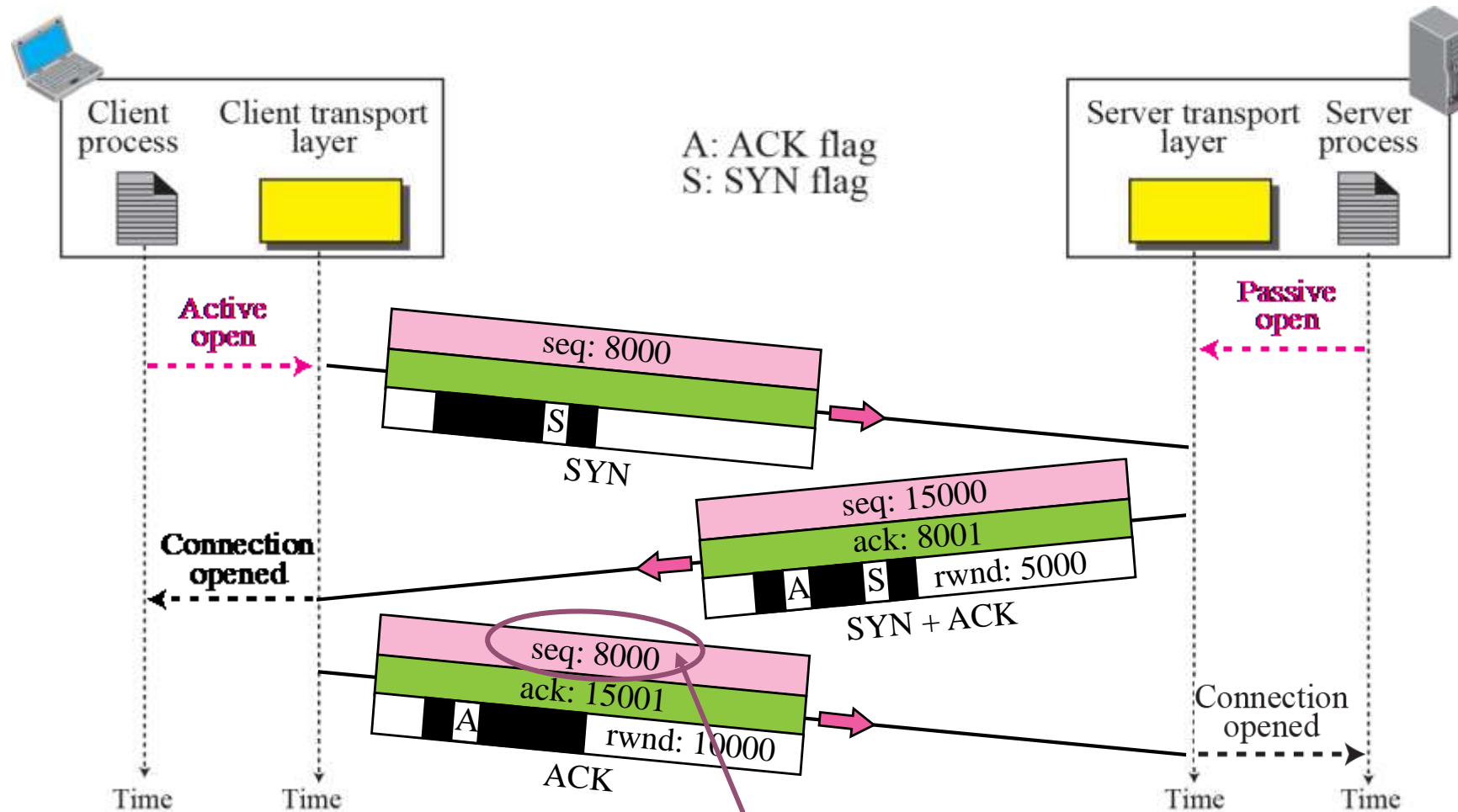
References:

1. Kurose, J. F. and Ross K. W. (2005), "Computer Networking: A Top-Down Approach Featuring the Internet", 3rd Edition, Addison-Wesley.
2. A. S. Tanenbaum (2006), "Computer Networks", 2nd Edition, Prentice Hall India.

15-4 A TCP CONNECTION

TCP is connection-oriented. It establishes a virtual path between the source and destination. All of the segments belonging to a message are then sent over this virtual path. You may wonder how TCP, which uses the services of IP, a connectionless protocol, can be connection-oriented. The point is that a TCP connection is virtual, not physical. TCP operates at a higher level. TCP uses the services of IP to deliver individual segments to the receiver, but it controls the connection itself. If a segment is lost or corrupted, it is retransmitted.

Figure 15.9 *Connection establishment using three-way handshake*



Means "no data" !
seq: 8001 if piggybacking



Connection termination using three-way handshaking

